# 8463

Diag. Cht. Nos. 685 and 1243-2.

#### Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

# DESCRIPTIVE REPORT

Type of Survey Hydrographic

Field No. ECFP-1458 Office No. H-8463

# LOCALITY

State Florida

General locality ST. Johns River

Locality Vicinity of Jacksonville

**19**.58**-**59

CHIEF OF PARTY

W. A. Hughes and H. S. Cole

LIBRARY & ARCHIVES

DATE Sept. 7, 1960

USCOMM-DC 5087

# DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

# HYDROGRAPHIC TITLE SHEET

The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

REGISTER No. H-8463 Field No. ECFP-1458

State FIORIDA
General locality ST. JOHNS RIVER
Locality Vicingity of JACKSONVILLE MUNICIPAL ARBA
Scale 1:10,000 Date of survey 17 November 1958-8 April 1959
Instructions dated 7 August 1958
Vessel East Coast Field Party
Chief of party LT(jg) W. A. Hughes LTCDR H. S. Cole
Surveyed by G. F. Trefethen D. W. George EMS J. Dunston Wingfield, Jr.
Soundings taken by ***********************************
Fathograms scaled by Party Personnel
Fathograms checked by Party Personnel & Norfolk Processing Office
Protracted by Dorothy C. Davenport (Norfolk Processing Office)
Soundings penciled by Dorothy C. Davenport
Soundings in XXXXXXX feet at MLW MXXXX and grateus lepitos.
Remarks:
<del></del>
<u>.                                    </u>
U. S. GOYERNMENT PRINTING OFFICE 18—66520—1
G. S. SCIERASCHI (ANDIEND WITHER DA DONNE .

### DESCRIPTIVE REPORT TO ACCOMPANY

HYDROGRAPHIC SURVEY H-8463, FIELD NO. ECFP-1458 JACKSONVILLE MUNICIPAL AREA, FLORIDA

PROJECT CS-407

SCALE: 1:10.000

EAST COAST FIELD PARTY

W. A. HUGHES, LT(jg) O-IN-O (9/15/58)

1958-1959

H. S. COLE, LTCDR O-IN-C (1/15/59)

SURVEYED BY:

G. F. TREFETHEN

D. W. GEORGE

J. D. WINGFIELD, JR., ENS, CAGS

\*\*\*\*\*

#### A. PROJECT

Work on Project CS-407 was executed in accordance with instructions 222/MEK; FP-EAST COAST, dated 7 August 1958; and Supplemental Instructions 22/MEK - ECFP dated 12 March 1959.

# B. SURVEY LIMITS AND DATES

The area covered by this survey is in the St. Johns River, Jacksonville Municipal Area, Jacksonville, Florida. The limits are Latitude 30° 19.30'N; Longitude 81° 38.95'W, / Longitude 81° 35.00'W to Quarantine Island; from the northwest tip of Quarantine Island to Drummond Point.

Hydrographic operations began on this sheet 17 November / 1958 and ended 8 April 1959.

This sheet forms a junction with Sheet H-8464 - (1959) scale 1:10,000; contemporary survey on the south and on the north forior survey Reg. No. 1542b dated 16 January 1883, scale 1:10,000. A junction was also made with Corps of Engineers Survey DWG No. 1-24-730-5 dated September 1957, scale 1:6,000. This drawing is primarily concerned with the dredged channels maintained by the Corps of Engineers.

# O. VESSELB AND EQUIPMENT

Launch US-168 and US-185 were used for the survey. US-185, a 53 foot wooden launch has a standard speed of 8.5 knots at 1800 rpm and a turning radius of 25 meters at standard speed and half rudder. Reduced speed was made at 1800 rpm and was 5 knots. Daunch US-168 is a 20 foot aluminum launch with a turning radius of 20 meters at standard speed and half rudder (45). Sounding speed is approximately 5 knots.

An 808 type rathometer was used for this survey (No. 1018 and No. 77J). A sounding pole was used to obtain soundings in depths less than 3 feet. The rathometer was used on A and B ranges only.

Launch US-168 and US-183 were based at the U.S. . CORPS OF ENGINEERS DREAMS DEFUT for the period of this survey.

An EDO-255 type rathometer (No. 203) was used the first two days of work on this sheet, but due to the size of the initial made by this type fathometer it was impossible to obtain a sounding initess than 6 feet of water.

# D. TIDE AND CURRENT STATIONS

Four tide zones ( 3 tide gage locations ) were used in reducing the soundings for this survey. The tide reducers and limits were applied according to Letter 36-38-1561 dated 13 February, 1959, and the sketch accompanying said letter.

A tide gage at Chaseville, Fla., controlled hydrography in the northern portion of the survey from 17 November 1958 to 10 December 1958. This gage was moved from Chaseville to the U.S.Navy Fuel Depot on 12 December 1958.

The standard permanent tide gage at the Corps of Engineer Dredge Depot was used to control the central and southern portions of the survey. Time and range corrections were applied to the data from this gage according to the letter mentioned above.

Gage locations and mean low water are as follows:

# CHASEVILLE, FLA.

Gage Location:

Lat. 30° 23.40' Long. 81° 36.75'

tafff

Mean low water corresponds to 1.2' on staff.

NAVY FUEL DEPOT

Gage Location:

Lat. 30° 23.97' Long. 810 37.551

otaff:

Mean low water corresponds to 3.3'

on staff.

ULE DREDGE DEPOT

Gage Location:

Lat. 30° 21.41' Long. 81° 37.35'

∍taff:

Mean low water corresponds to 3.0 on staff.

There are no time or height corrections for the Chaseville and Fuel Depot gages. The Dredge Depot gage was applied to three zones and the corrections were made according to the letter mentioned above.

The four tide zones and the days and positions to which they apply are tabulated as follows. The tide reducers were applied according to this tabulation.

 $\underline{\text{ZONE } \#1}$ : Chaseville or USN Fuel Depot (Interchangeable), no correction

# (a) Launch CS-168

Date 17 Nov. 1958 18 Nov. 1958 19 Nov. 1958 20 Nov. 1958	Day Letter a b c d	Positions All day " " 1 to 52 57 to 70 79 to 86 (5th sdg. cut)
21 Nov. 1958 1 Dec. 1958 24 Mar. 1959 25 Mar. 1959 26 Mar. 1959 27 Mar. 1959 1 Apr. 1959 2 Apr. 1959 3 Apr. 1959 6 Apr. 1959 7 Apr. 1959 8 Apr. 1959	efqrstuvwxyz	1 to 73 1 to 4 50 to 66 4 to 137 All day " " " " " " " " " " " " " " " " " " "
(b) Launch CS-183 12 Jan. 1959 13 Jan. 1959	<b>a</b> b	86 to 88 19 to 20 24(5th out) to 29(5th out) 31 to 40(2rd out)

# $\underline{\text{ZONE}\ \#2}$ : Jacksonville (USE Dredge Depot), no correction

# (a) Launch CS-168

20 Nov. 1958	đ	52 to 57 70 to 79 86(5th out)to 101
21 Nov. 1958	е	73 to 75
1 Dec. 1958	f	5 to 43
- •		- •-
2 Dec. 1958	g	all Day
8 Dec. 1958	g j	1 to 56(3rd out)
		66 to 68(3rd out)
		72 to 74
		114 to 118
10 Dec. 1958	k	1 to 31(4th out)
		34 to 42
		47 to 53(4th out)
19 Dec. 1958	1	1 to 8
7 Jan. 1959	m	103 to 107
	1112	200 00 401

# ZONE #2 (CONT'D)

# (b) Launch CS-183

Date	Day Letter	Positions
12 Jan. 1959	а	1 to 20 22 to 25 63 to 86
13 Jan. 1959	ъ	1 to 18 20 to 24(4th out) 29(4th out) to 30 40(2nd out) to 48

ZONE #3: Jacksonville (USE Dredge Depot) with a +20 minute time correction and a 0.9 ratio of the hourly heights.

# (a) Launch CS-168

<u>Date</u>	Day letter	Positions
10 Dec. 1958	k	31(4th out) to 34 42 to 47
19 Dec. 1958 7 Jan. 1959	1 m	53(4th out) to 83 8 to 11 1 to 102
8 Jan. 1959 9 Jan. 1959 24 Mar. 1959 25 Mar. 1959 5 Dec. 1958	n p q r h	67(2nd out) to 102 All day 10 to 49 1 to 3 All day
8 Dec. 1958	j	56(3rd out) to 66 68(3rd out) to 71 74 to 113
(b) Launch CS-183		
12 Jan. 1959	â	21 to 22 25 to 49 55 to 62

ZONE #4: Jacksonville (USE Dredge Depot) with a+40 minute time correction and a 0.7 ratio of the hourly heights.

# (a) Launch CS-168

Date	Day Letter	<u>Positions</u>
8 Jan. 1959	n	46 to 67(2nd out)
24 Mar. 1959	ď	1 to 9

# ZONE #4 (CONT'D)

# (b) Launch CS-183

Date	Day Letter	Positions
12 Jan. 1959	a	51 to 55

# ZONE #5 :

In applying the tide reducers to those sounding lines crossing from Zone 3 to Zone 4 and back, it was found that a discrepancy of 0.6 ft. existed at this junction in times of high water. Below half tide level, the junction was agreeable. The discrepancy was traced to the obvious fact that Zones 3 and 4 were based on different ratios of the same hourly heights. Therefore, the higher the tide, the greater the discrepancy. It was decided by this Field Party, to create an arbitrary Zone 5 (between Zones 3 & 4) with the following characteristics:

Jacksonville (USE Dredge Depot) with a +30 minute time correction and a 0.8 ratio of the hourly heights.

The reducers from Zone 5 apply as follows:

# (a) Launch CS-168

Date	Day Letter	Positions Positions
8 Jan. 1959	n	1 thru 46
(b) Launch CS-183		
12 Jan. 1959	a	49 thru 51

CURRENT STATIONS:

There were four (4) current stations occupied within the limits of this survey:

(1) Drummond Point	Lat. Long.	30° 81°	24.45! 36.15!	
(2) Chaseville	Lat. Long.	30° 81°	22.90¹ 37.73¹	,
(3) USCE Depot	Lat. Long.	30° 81°	21.38 <sup>1</sup> 37.10 <sup>1</sup>	1
(4) Commodore Point	Lat. Long.	30° 81°	19.10 <sup>1</sup> 37.65 <sup>1</sup>	1

Two other stations were occupied south of the limits of this survey in the vicinity of the municipal bridge area. The current work was executed in accordance with Instructions 222/MEK FP-East Coast dated 7 August 1958. A special report on this phase of the Project has previously been submitted by former Lt. (j.g.) William A. Hughes, the officer-in-charge at the time of the current observations.

### E. SMOOTH SHEET

Not applicable.

# F. CONTROL STATIONS

The rollowing is a list of triangulation stations and the source of control for each:

STATION	SIGNAL NAME	G. P.PGE.	AOT .NO.	CH.OF PTY.
EPPINGER & HUSSELL OREOSOTIN WORKS SMOKE STACK, 1926	MEA DV	9≥	1	W.H.B.
вей (пак) 1908	Ben	81	ĭ	w.H.B.
DRIGGS 2 USE, 1986	LÂM	81	ì	w.H.B.
JACASONVILLE FORD MOTOR CO.	Pot	94	1	H.A.P.
HATER TANK, 1926 JAUKSONVILLE HILSON TOOMER	100	<b>XX</b>	1	W.H.B.
FERTILIZER CO. WATER TANK. 1926	TUB	41		
JAUKSONVILLE ARMOR FERTILIZH CO. WATER TANK, 1926	ER VIM	41	t	w.H.B.
JAORSONVILLE CITY FIRE STAT.	lon yes	40	i	₩.H.B. H.A.P. ✓
BIGELOW (USE) 1908	RAT	94	1	

See Appendix A for a list of control stations and the origin of each.

# G. SHOKELINE AND TOPOGRAPHY

Shoreline and topographic details were obtained irom photographic manuscripts T-10828, T-10825, T-10829, and T-10824 and T-10834. 494 T-10835 of 1958-59.

At Longitude 81° 37.85' and Latitude 30° 19.08' a ricating dry dock is semi-permanently located, which is not charted. Is charted on # 577 last printing date 1-22-62

#### H. SOUNDINGS

Soundings for the most part were made with an 808 type rathometer; No. 77J.

The EDO No. 200 was used at the beginning of the sheet out it was discovered that sounding under 6 feet was impossible with the initial on 1.0 due to the large initial, so the initial was put on zero during a day and b day. These days will have a +1.0 root initial correction.

# H. SOUNDINGS (cont'd)

Fathometer 808 type, No. 1048, was used and on 5 December 1958, h day, the wiring shorted out so the sounding pole was used for the rest of this day.

Fathometer EDO No. 204 was used for two days on Launch US-103.

Bottom samples were obtained with an armed lead.

The sounding pole was used in waters too shoal for Vathometer sounding.

### I. CONTROL OF HYDROGRAPHY

All hydrography was controlled by visual rix. Positions were taken from 1 to 12 minutes apart; in some cases, however, a rix was not obtained and it was necessary to refer to the boat sneet in order to plot the position.

# J. ADEQUACY OF SURVEY

This survey is considered complete and adequate to PUET Review supersede all prior surveys for charting purposes.

Junctions with contemporary surveys are satisfactory VP5 Review and depth curves can be drawn at junctions.

# K. CROSSLINES AND BOTTOM SAMPLES

The percentage of crosslines run was about 5 to 6 percent. The crosslines were satisfactory throughout the survey. Bottom samples were taken at representative areas throughout the survey.

Crossline differences during u day (1 April 1959) | Sec P4 c of are explained on page 5 of Volume 8 and page 61 of | Review.

# L. COMPARISON WITH PRIOR SURVEYS

This survey was compared with prior surveys, Corps of Engineers, U. S. Army:

\* DWG No. 1-24-730-5

Sheet 505
Scale: 1:6,000
Dated: September 1957

Sheet No. 18-19-914
Sheet No. 1 & 2 of 5 sheets
Scale: 1:6,000
Dated: July 1951

\* See reinfiers report.

This survey agrees with H-8463 very well except at buoys 68 + 69 - see verifiers report attached puges #11 DJK

and prior survey Reg. No. 1542b dated June 16, 1883; See The Review scale of 1110,000.

Intgeneral, the soundings shown on the old survey are in fair agreement with those on the new. Since the old survey was not as complete as the new, much of the necessary detail was not shown. All shoals and dangers are listed in section N of this report.

# M. COMPARISON WITH CHART

A comparison with Chart No. 577, 29th edition, 7 Review February 25, 1957 whows the rollowing differences:

Long. 81° 37.89' the 13' sounding on the chart / Lat. 50° 18.98' is changed to 21'19'

Preliminary review item #2 is verified by lines \$\forall 2, 28, and 29 of section N. -

Preliminary review item #3 is verified by lines 7A Review 23, 25, 26, and 27 of section N.

Preliminary review item #4 is verified by xxxxxxx positions 8 and 9 of q day, found in Volume 6.

# N. DANGERS AND SHOALS

The following is a list of dangers and shoals found within the limits of the survey:

DEPTHS

		1/24 15	15			3
DESCRIPTION	LAT. & LONG.	PRESENT (	CHART 577 P	USIT.	DATE LOC.	4
Shoal	81° 37.791 81° 37.791		34.8	450 V	11/19/58 . revento	ers Nota
Shoal	30° 23.47'\/ 81° 37.51'\/	AWASH 4	4.2.4.1 (*) 1	100	1 <b>1/21/58</b> Secretifica	
Oyster /	300 23.081V 810 57.451V	AWASH *O	2.00	126	11/18/58 550 1986	115 MIS
Wreck /	30° 19.09 <sup>1</sup> / 81° 37.96 <sup>1</sup> /	BARES	None 🗸 .	78m.√	1/ 7/ 59√	
Wreck	30° 18.68° 1/81° 37.81°	BARES	2		1/ 7/59 5	
Piling	300 18.701 V 810 37.721 V	AHASH X(2)				,
pjer.	300 19.575	AWASH	NONE -	72k —	12/10/58 See vangei	re netur
pier. Wreck v Pipe marker for week	30° 19.07'	1 H. above	MHW -	8q	3/24/59	
(Wreck) 3' Sny,	30° 18.11'	3 ft. solg. sue		gg L	3/24/59 L	

N. DANGERS AND SHOALS (contid)

	N. DANGE	ne and shoals		·		
TIP	SORTE IN (5) NO		DEPTH			
	JUNEAU TONG	LAT. & LONG.	PRESENT C	HART 577	POSIT.	DATE LOC.
	Wreck	- 30° 19.79'	BARES	. NONE	*51k ~	12/10/58
	(Berge)	€ 81° 37.68 °			•	12/10/50
	Wreck	_ 30° 20.10!√ _ 81° 36.75\$	BARES (5)	NONE	96g <sub>V</sub>	3/24/59V
	Wreck	30°21.52'5 81° 36.76'	BARES(2)	NONE	95d L	11/20/588
Cone	Mooring Dolphin	30° 22.31!	BARES	· 20.0 ·	4 <b>r</b> /	3/25/59 U
	Piling -	30° 22.87	BARES (2)	1.0~	8 <b>r</b> $\vee$	3/25/59 V
(Pile with smo	ال Piling 🗸	८१० ३७.३४३ ३०० २३.५२४∕ ८१० ३४.७४	BARES (5)	8.0	18-	3/26/59
	<b>Piling</b>	30° 23.67 V 81° 36.1415	BARES (3)	0.0 ∻0.0	₫s 🗸	3/26/591/
	Wreck - barge in m.	300 23.321	BARES 4	0.0	882	3/26/59 V
	Piling	50° 25.75 1/ 81° 35.05 1/	BARES (3)	. 5.0 🗸	86s	3/26/59
	Pipe V	30° 24.23 12 81° 36.12 12	ANASH (3)	.0.0 -	49v L	4/2/59
	Wreck	30° 24.13 1/	AWASH: (3)	1.0	.55v ~	4/2/59~
	Wreck	81° 35.441/ 30° 23,681/ 81° 37.781/	( AVASH (2)	1.0	61w L	4/3/59 4
	Piling (Pile)	30° 23.70 1/2 81° 37.741/	BARES (3)	1.0 4	62w 4	4/ 3/59
	Piling /	30° 23.651/ 81° 36.957		· 2.0 v	89w~	4/ 3/59 -
	Triang. Plaff'm.	-30° 24.67√ 81° 36.20√	BARES	3.0 ₩	140w -	4/ 3/59 -
gendem	Tank(20 m x 26 m)	30° 24.60 1/2	MASH (1)	6.0	50x 🗸	· 4/ 6/59 W
	Piling (Pile)	30° 23.59 √ 81° 36.39 √	BARES /(3)	6.0 V	69x v	4/ 6/59V
506m. pilnigs 7 30-22.37 7 81:37.79	Broken Dilett	30° 22.31 1/ 81° 37.87 1/	AWASH (1)	3.0 V	. 1y L	4/ 7/59 -
30-12.27	Submerged Piling A	309 22:211		6.0	<b>3z</b> ∟.	4/ 8/59 V
87 - 37,02 - 04	Submerged Pilingpile			8.0	42 V	4/8/59~
		30° 23.461 81° 37.301 30° 23.081	BARES V	NONE V	220	11/21/58
	Piling (Pile)	30° 23.08 1 / 81° 37.45 \	BARES /	none 🗸	116 /	11/18/58 🗸
	Rec	ommend the ab	ove be chart	ed.	•	
	Wrecks /	4/			9c V	11/19/58
,	mooring pilis	30= 23.00' 81= 38.04'	#74.	•	181 V	3/25/59
	Wrecked borge	36=19.93.4 81-37.62.V	Bares MHW.	STATE OF STA	39 K V	12/10/58 V
		Company Comment & Spirit	A LEXISTRA			and the second

# O. COAST PILOT INFORMATION

There are no changes to the Coast Pilot to report within the limits of this sheet.

P. AIDS TO NAVIGATION

Following is a list of all floating sids to navi- P7 C Revew gation:

NAME OR NUMBER LAT. & LONG. DEPTH WOLLDAME 100

NAME OR NUMBER	LAT. & LONG.	DEPTH	VOL. DATE LOC.
	1/ Pos. No	>. <del></del>	
FIG _3-DRUMMOND CREEK OUT	30° 24.34 114W	27.0	109 4/3/59/
TROUT RIVER OUT		27.4	
FIG LIGHTED BUOY 61	30° 23.821\ 80 81° 37.02 20	-28.0	1√ 11/17/58 🗸
LIGHTED BUOY 61  ROUT RIVER OUT	30° 23.52° / 92	34	
LIGHTED BUOY 63	30° 23.52'V 92 81° 37.46'V	/努・0/	1 11/17/58
ATROUT RIVER CUT	81° 37.4611/ 10a	23.0	• · · · · · • • • • • • • • • • • • • •
T. TOURSED DUON Ch.	30° 23.45° 10° 81° 37.60° 10°	24.0	1-11/17/58
H & EATROUT RIVER CUT	81° 37.60 1/ 30° 23.10 1/ 13a.1	25	4 . 44 54 - (-0
Buoy 66	040 77 -01/	•	1 11/17/58
Cango B TROUT RIVER CUT		25	- 4 /44/45/60/2
BUOY 67	81 37.621	20.0	1 1/17/58
EUOY 67 V  AND TROUT RIVER OUT V  LIGHTED BUOY 68	30° 23.07' 12° 12° 12° 12° 12° 14° 14° 14° 14° 14° 14° 14° 14° 14° 14	30 21 0 v	4 44 /47 /50
LIGHTED BUOY 68	81° 37.781	21.0	1 11/17/58
LONG BRANCH LIGHTED	30° 22.73 72 150	35 04/	1 44/17/60
BUOY 69	829 37.732	)).U ∨	1 11/17/58
S LONG BRANCH LIGHTED	30 22.321	30.01/	1 11/17/e0
BUOY 71	81° 37.6V	JU.U (-)	1 11/17/58 🗸
Garlage OHASEVILLE MEDDLE	50° 22.08 174	24.0	1 11/17/58
HA KALE GROUND BUOY	810 27 mgs/		1 11/17/58
N 74 24 ARLINGTON OUT BUOY	30° 20.65 1 53gv	22 23 0	3 12/ 2/58
	817 56.911		1 12/2/30 [
ARLINGTON CUT BUOY	30° 20.01 1 44j	126.0 V	4 12/ 8/58
N 12 1 . 76	81 37.09	/ 20.0	+ 12/ 0/30
H 75 Fact CROSS CHANNEL BUOY	300 19.34 V 102m	30-0-1/	5 1/ 7/59 V
<sup>™</sup> 78		-	2 17 (429
COMMODORE POINT . LIGHTED BIDY 70	300 18.82 20 m	27.0	5v 1/7/59V
LIGHTED BUOY 79	017 ~- /AL		10 11 11,330
COMMODORE POINT SHOAL	′30 18 80 M 2ım″	32.0 V	5 1/7/59/
$1.5^{\circ}$	21 27 21 P	//	2 4 4 350
COMMODORE POINT ROCK	30° 18 80 ti / /	40.0 🔨	5 1/8/59 レ
. 1 7	81° 38.29	/	/ 400
OMMODORE POINT BUOY	20 10.99'L 3n"	31.0	5 1/8/59 L
82	810 38.21		2 4 400
LIGHTED BUOY 1	300 21.12	<del>3</del> 5.0√	3 12/ 2/58
16 11	81, 37.11		
LIGHTED BUOY 3	50° 21.12' 119 1 81° 37.11' 30° 26.22' 44j	21.0	4 12/ 8/58
19	81 37.29 -	•	
LIGHTED BUOY 4	30° 20.09 V 451	<b>35.0</b> ′	4 12/ 8/58
	810 37.432	•	• • •

30° 24, 37' PAS 18 7.6 8 4-2-59

# P. AIDS TO NAVIGATION (cont. d)

MAME OR NUMBER

LAT. & LONG. DEPTH VOL. DATE LOO.

LIGHTED BUOY: 5

810 32.477

MOORING BUOY 50 18.981 18m 40.0 5 1/7/59

MOORING BUOY 50 18.901 19m 42,0 5 1/7/59

MOORING BUOY 50 18.901 19m 42,0 5 1/7/59

MOORING BUOY 50 18.848 Ref. 2n 2

Q. LANDMARKS FOR CHARTS 810 38.43% 27-280 5 1/8/59

Mooring Buoy 300 - 18.86

There are no new landmarks to report. All landmarks for charts and fixed aids to navigation were reported by photo party on form 567, previously submitted.

# R. GEOGRAPHIC NAMES

There are no new geographic names to report.

# S. SILTED AREAS

Not applicable.

# T. BY PRODUCT INFORMATION

Not applicable.

Sec N. P.O. List.

# APPENDIX A. LIST OF SIGNAL

HYDROGRAPHIC SURVEY SHEET H-8463, (FIELD NO. ECFP 14586)

STATIO	N ORIGIN		
	· varati	STATION	ORIGIN
ABE	<b>11-10829</b>	Jut.	T-10828
AOT	T-10824	KEN	T-10829
YMA	T-10829	KEW	T-10824
ANT	T-10829	KID	T-10829
ART	TA 10824	LAM	T-10829
BAG	T-10828	LAY	T-10829
BEN	<b>T</b> - 10829	LEO	T-10829
BIB	T-10829	LOG	T-10824
BIŒ	<b>T</b> -10829	MAL	T-10829
BOB	<b>T</b> -10829	MAR	T-10829
CAM	T-10828	MID	T-10829
COD	10824	NAT'	<b>10829</b>
COO:	<b>T-10829</b>	nay	T-10824
CUE	110854	MIL	T- 10828
DAY	HYDRO, SIGNAL	XIX	T- 10828
	PAGE 15 VOL. 1	NUB	112 108 <b>29</b> 0
DIM	T=10825	NUT"	<b>1</b> 0834
DOO	T-10834	OAK	T- 10829
DOG:	T-10829	OPP	12-10829
EBB	<b>1</b> 0824	our	<b>%</b> 10828
EEL	T= 10829	OWL	T-10829
EGG.	T- 10828	PAL	T-10829
EON	T# 10834	PIE	T-10828
FEX	<b>1</b> 10829○	PIT	T=10828
FIX	T- 10829	PIX	<b>T</b> ÷10829
FOR	T-10823	POP	T-10829
GAL	T∓ 10834 T- 10829	<b>PUT</b> I'	T-10824
GAM:	T- 10829	RAW'	T= 10828
GAS		RO <b>Y</b> €	T-10824
GETT	T≇ 10829 T≆ 10828	SAD	T-10829
GUS	T#10823	SHE	T=10829
HAG	T-10829	SIP	<b>T-10828</b>
HAT	T-10829	SIS	1910828
HEM	T- 10829	SUB	T-10824
HIT:	T-10823	TAN	T=10829
HOP	T- 10823	TAP	T-10829
HUC	T-10829	TAX	T-10829
IDA	T±10829	TOY	T-10828
IRK	T-10829	TRY	T-10824
ITS	T-10829	TUE	T-10829
IVY:	T⊩ 10823	VAN	T-10829
JAY	T#10829	VAT	T-10824
JIB	T- 10823	VIA	T-10829
JOE	HYDRO. SIGNAL	AIG	T-10828
	PAGE 15 VOL. 1	VIM	T-10829

# LIST OF SIGNAL CONT, D

STATION	ORIGIN
WED	T- 10829)
WEE	T-10829
WHO	T+10829
WHY	<b>5</b> -10829
WIN	T-10828
WOO	<b>T</b> ⊬10824
YAM	T-10829
YEA	T#10824
YES	T-10828
ZAG.	<b>T</b> - 10828
ZEE	HYDEG. SIGNAL
	PAGE 16#17-21 VOL 8
ZIP.	T-10829

# NORFOLK PROCESSING OFFICE

LIST OF SIGNALS H-8463

# TRIANGULATION STATIONS

ABE	JACKSONVILLE, EPPENGER & RUSSELL CREOSOTING WORKS, SMOKE STACK, 1926
BEN	BEN (U.S.E.), 1908-26
COW	MATTHEWS (U.S.E.), 1908-48
LAM	DRIGGS 2 (U.S.E.), 1926
MUM	DRUMMOND POINT (U.S.E.), 1926
POT	JACKSONVILLE FORD MOTOR CO., WATER TANK, 1926
RAT	BIGELOW (U.S.E.), 1908-26
TUB	JACKSONVILLE WILSON-TOOMER FERT. CO., WATER TANK, 1926
MIN	JACKSONVILLE ARMOR FERT. CO., WATER TANK, 1926
YES	JACKSONVILLE CITY FIRE STATION NO. 11, WATER TANK, 1926-32

TOPOG	RAPHIC	STAT]	CONS	2	OURCE	.T-1082	<u>:3</u>			
Fix	Gus	Hit	Hop	Ivy	Jib					
				£	OURCE	T-1082	4 (1)			
Act	Art	Cod	Epp	Fox	Key	Log				
					OURCE	T-1082	4(2)			
Nay	Put	Roy	Sub	Try	Woo	Yea				
				Ę	OURCE	T-1082	<u>28</u>			
Bag Rag	Cam Ram	Dim Sip	Egg Sis	Get To <b>y</b>	Hat Vic	Jut Win	Nil Zag	Ohm	Out	Pit
				<u> </u>	OURCE	T-1082	29			
Add Eon Irk Mar Pop Vet	Amy Fed Its Mid Rev Via	Ant Fex Jay Nat R1g Wed	Axe Fez Joy Nix Sad Wee	Bab Gal Jug Nub Sax Who	B1g Gam Ken Oak She Why	Bob Gas K1d Off Tan Yam	Coo Hag Kin Owl Tap Yap	Dog Hem Lay Pal Tax Zip	Dot Hug Le <b>o</b> Par Val	Eel Ida Mal Pix Van
				<u> </u>	SOURCE	T-1083	<u> 4</u>			

# HYDROGRAPHIC STATIONS

Doc

Cue

Day	Vol.	l,	pg.	15		Vol.	2,	pg.	39
Joe	Vol.					_		04	٠.
Pie						Surv	еу .	H-84	54
Zee	Vol.	7.	DES	. 16	.17	& 21			

Nut

Elf For

# APPENDIX B. STATISTICS HYDROGRAPHIC SHEET H-8463 (ECFP-1458)

# LAUNCH CS-168

DAY	VOL.	DAY LTR.	No. Pos Fath	ITIONS D.P.	NAUTICAL NI. SDG.
6			*****		14. 000.
17/17/58	1	a	17	10	0.9
11/18/58	1	Ъ	93	4	11.0
11/1958	. 1	С	62	o	7.2
11/2058	1&2	ď	101	10	11.1
11/21/58	2		75	4	8.5
12/1/58	3	f	43	1	4.5
12/2/58	3 3	g	103	6	11.1
12/5/58	3&4	g h	100	O.	. 8•5
12/8/58	4	j	128	4	13.8
12/10/58	4885	k	83	. 4 5 1	11.2
12/19/58	5	1	11	•	1.3
1/7/59	5 5 5 <b>&amp;</b> 6	m	107	13 4	9•8
1/8/59	546	n	102	4	10.7
1/9/59	6 6 6&7	P	12		1.0
3/24/59	6	q	66	0 2 2 4	<b>3.</b> 8
3/25/59	6&7	r	137	2	13.7
3/26/59	7	<b>'8</b>	99	4	10.9
3/27/59	7	t	50	0	4.0
4/1/59	8	u	158	2	17.0
4/2/59	8&9	¥	132	2	11.5
4/3/59	9	W	171	6	13.7
4/6/59	9&10	×	78	0 2 2 6 4 1	5•7
4/7/59	10	У	6		0.0
4/8/59	10	Z	_0_	_4_	0.0
			1929	89	190.9
		T. ATTS:	10T 0G 197		
		LACI	CH CS-183		
1/12/59	11	e.	88	0	10.2
1/13/59	11	Ъ	718	0	5.L
1 11/11	• •		<u>48</u> 136	0	15.6

# APPENDIX O

# ABSTRACT OF VELOCITY CORRECTIONS

# TO ACCOMPANY

# HYDROGRAPHIC SURVEY H-8463 (EOFP-1458) PROJECT OS-407

# LAUNCH CS-168

٨.	FATHOMETER NO.	808J (No. 77)	
	DEPTHS	CORRECTION	
	0.0 - 3.0	0.0	Hee for the fellowing later
	3.1 - 10.0	+0.2	Use for the following dates:
	10.1 - 42.0	0.0	Nov. 19, 20, 21, 1958
	42.1 - 49.0	-0.2	Hec. 8, 10, 19, 1958 Jan. 7, 8, 1959
	49.1 - 54.0	-0.4	dan. 1, 0, 1979
	54.1 - 58.0	-0.6	
	58.1 - 66.0	-0.8	
В.	FATHOMETER NO.	808J (No. 101S)	i/
	DEPTHS	CORRECTION	•
	0.0 - 4.0	0.0	The flow the Control
	4.1 - 9.0	+0.2	Use for the following dates:
	9.1 - 18.0	0.0	March 24 - April 6, 1959
	18.1 - 30.0	-0.2	
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-0.2	
C.	FATHOMETER NO.	EDO 255-1 (204)	Townsh 60 407
	DEPTHS		Launch 68-183
	Depths	CORRECTION	·
	DEPTHS 0.0 - 3.0	CORRECTION 0.0	Use for the followin g dates:
	DEPTHS 0.0 - 3.0 3.1 - 12.0	CORRECTION 0.0 -0.2	·
	DEPTHS 0.0 - 3.0 3.1 - 12.0 12.1 - 19.0	CORRECTION 0.0 -0.2 -0.4	Use for the followin g dates:
	DEPTHS 0.0 - 3.0 3.1 - 12.0 12.1 - 19.0 19.1 - 24.0	CORRECTION 0.0 -0.2 -0.4 -0.6	Use for the followin g dates:
	DEPTHS 0.0 - 3.0 3.1 - 12.0 12.1 - 19.0 19.1 - 24.0 24.1 - 48/0	CORRECTION 0.0 -0.2 -0.4 -0.6 -0.8	Use for the followin g dates:
	DEPTHS 0.0 - 3.0 3.1 - 12.0 12.1 - 19.0 19.1 - 24.0 24.1 - 48/0 48.1 - 51.0	CORRECTION 0.0 -0.2 -0.4 -0.6 -0.8 -1.0	Use for the followin g dates:
	DEPTHS 0.0 - 3.0 3.1 - 12.0 12.1 - 19.0 19.1 - 24.0 24.1 - 48/0	CORRECTION 0.0 -0.2 -0.4 -0.6 -0.8	Use for the followin g dates:
р.	DEPTHS  0.0 - 3.0  3.1 - 12.0  12.1 - 19.0  19.1 - 24.0  24.1 - 48/0  48.1 - 51.0  51.1 - n54.0  54.1 - 60.0	CORRECTION 0.0 -0.2 -0.4 -0.6 -0.8 -1.0 -1.2 -1.4	Use for the following dates: Jan. 12, 13, 1959
<b>D.</b>	DEPTHS  0.0 - 3.0  3.1 - 12.0  12.1 - 19.0  19.1 - 24.0  24.1 - 48/0  48.1 - 51.0  51.1 - n54.0  54.1 - 60.0  FATHOMETER NO.	CORRECTION  0.0  -0.2  -0.4  -0.6  -0.8  -1.0  -1.2  -1.4  EDO 255-1 (203)	Use for the following dates: Jan. 12, 13, 1959
<b>D.</b>	DEPTHS  0.0 - 3.0  3.1 - 12.0  12.1 - 19.0  19.1 - 24.0  24.1 - 48/0  48.1 - 51.0  51.1 -n54.0  54.1 - 60.0  FATHOMETER NO.  DEPTHS	CORRECTION  0.0  -0.2  -0.4  -0.6  -0.8  -1.0  -1.2  -1.4  EDO 255-1 (203)  CORRECTION	Use for the following dates: Jan. 12, 13, 1959
<b>D.</b>	DEPTHS  0.0 - 3.0  3.1 - 12.0  12.1 - 19.0  19.1 - 24.0  24.1 - 48/0  48.1 - 51.0  51.1 - n54.0  54.1 - 60.0  FATHOMETER NO.	CORRECTION  0.0  -0.2  -0.4  -0.6  -0.8  -1.0  -1.2  -1.4  EDO 255-1 (203)	Use for the following dates: Jan. 12, 13, 1959  Launch CS-168  Use for the following dates:
<b>D.</b>	DEPTHS  0.0 - 3.0  3.1 - 12.0  12.1 - 19.0  19.1 - 24.0  24.1 - 48/0  48.1 - 51.0  51.1 -n54.0  54.1 - 60.0  FATHOMETER NO.  DEPTHS  0.0 - 36.0	CORRECTION  0.0  -0.2  -0.4  -0.6  -0.8  -1.0  -1.2  -1.4  EDO 255-1 (203)  CORRECTION  0.0	Use for the following dates: Jan. 12, 13, 1959  Launch CS-168  Use for the following dates: Nov. 17, 18, 1959
•	DEPTHS  0.0 - 3.0  3.1 - 12.0  12.1 - 19.0  19.1 - 24.0  24.1 - 48/0  48.1 - 51.0  51.1 -n54.0  54.1 - 60.0  FATHOMETER NO.  DEPTHS  0.0 - 36.0	CORRECTION  0.0  -0.2  -0.4  -0.6  -0.8  -1.0  -1.2  -1.4  EDO 255-1 (203)  CORRECTION  0.0	Use for the following dates: Jan. 12, 13, 1959  Launch CS-168  Use for the following dates:

#### APPENDIX D

# APPROVAL SHEET

# TO ACCOMPANY

# HYDROGRAPHIC SURVEY H-8463 (ECFP-1458) PROJECT 08-407

The record corrections, fathograms, scanning and all field work were supervised by William A. Hughes and H. S. Cole.

The fathograms were scanned prior to plattering plotting the soundings on the boat sheet and no further scanning is necessary.

The descriptive report was written under the supervision of H S. Cole.

The report and the records for this survey are complete and adequate to the best of my knowledge.

APPROVED AND FORWARDED

Howard S. Cole LCDR, C&GS-

Chief of Party

# NORFOLK PROCESSING OFFICE ADDENDUM To Accompany

# HYDROGRAPHIC SURVEY H-8463 (ECFP-1458)

# GENERAL

Except for the discrepancies listed below, soundings are in generally good agreement on this survey. There are shoal spots and bottom irregularaties in the vicinity of channels which are believed to be the results of dredging operations.

# DISCREPANCIES

soundings between positions 56 and 62c (red) were not smooth Repletted. The fathdgram is mutilated to the extent that soundings are not reliable. According to the note in vol. 1, pg. 65, a receiving spool was not used on this day and the fathogram had to be cut in sections for removal from the fathometer.

According to the note on page 61, vol. 9, there is some question about the accuracy of pole soundings on "u" day - in the large bay East of Reddie Point - because of the pole sinking in soft mud, and because of the disagreement of pole with fathometer / soundings in this vicinity. Although the pole was probably sinking in the mud, part of the discrepancy was undoubtedly caused by scanning the top of grass rather than the actual bottom. Crossings in this area were adjusted to better agreement by some rescanning of fathograms. If arbitrary correction to fith. Sags made to climinate discrepancies between depth recorded and pole Sags.

Norfolk, Va. 30 August 1960

Respectfully submitted,

Hugh L. Proffit Cartographer

# TIDE NOTE FOR HYDROGRAPHIC SHEET

#### RixirirrxrixGrantalxAnxxrxxx

5 October 1960

Division of Charts: R.H. Carstens

Plane of reference approved in 11 volumes of sounding records for

HYDROGRAPHIC SHEET 8463

Locality St. Johns River, Florida

H.S.Cole (1958)
Chief of Party: W.A.Hughes (1959)
Plane of reference is mean low water reading.
1.2t. on tide staff at Chaseville
6.Oft. below B. M1 (1958)

3.3 ft.on tide staff at Jacksonville (U.S.Navy Fuel Depot) 6.9 ft.below B. M. 1 (1958)

3.0 ft. on tide staff at Jacksonville (USE Dredge Depot) 11.3 ft. below B. N.2 (1928)

Height of mean high water above plane of reference is as follows. Chaseville = 2.3ft. Jacksonville (U.S. Favy Fuel Depot) = 2.2 ft. Jacksonville (U.S.E. Dredge Depot) = 2.0 ft. Condition of records satisfactory except as noted below:

Chief, Tides Branch

Opper y Divinstancial Anthres and Correspond

# OFFICE OF CARTOGRAPHY

# REVIEW SECTION -- NAUTICAL CHART DIVISION

# REVIEW OF HYDROGRAPHIC SURVEY

REGISTRY	NO.	H-	8463

FIELD NO. ECFP-1458

Florida, St. Johns River, Vicinity of Jacksonville

SURVEYED: Nov. 1958 - April 1959 SCALE: 1:10,000

# PROJECT NO. CS-407

SOUNDINGS: Edo Depth Recorder CONTROL: Sextant fixes

808 Depth Recorder

on shore signals

Sounding Pole

Chief of PartyW.	Α.	Hughes
н.	S.	Cole
Surveyed byG.	F.	Trefethen
D.	W.	George
J.	D.	Wingfield
Protracted byD.	С.	Davenport
Soundings plotted byD,	С.	Davenport
Verified and inked byD.	$\mathbf{J}_{\pm}$	Kennon
Reviewed byI.		
Inspected byR.	Η.	Carstens

Date: 7-9-63

# Description of Area

This is a survey of St. Johns River and tributaries located in the vicinity of Jacksonville, Florida. The bottom is generally fairly irregular, except in the tributaries entering St. Johns River and the flats off Quarantine Island. Here the bottom is smooth. Shoals and flats contribute to the bottom irregularity.

#### 2. Control and Shoreline

The source of the control is given in the Descriptive Report.

The shoreline originates with the following reviewed photogrammetric surveys T-10823, T-10824, T-10828, T-10829, T-10834 and T-10835 of 1958-59.

# 3. Hydrography

Depths at crossings are in good agreement. The usual depth curves are adequately delineated. The least depths on shoals were adequately determined. A number of piles and pier ruins were not adequately investigated and will be retained on the chart from prior surveys and miscellaneous sources.

# 4. Condition of Survey

- a. The sounding records and Descriptive Report are complete and comprehensive.
- b. The smooth plotting was accurately done except as follows: Because of inaccuracies in the transfer of the shoreline from the photogrammetric surveys to the smooth sheet in the southeast and northern portions of the smooth sheet by the smooth sheet plotter, it was necessary for the verifier to spend considerable time redrawing the shoreline in the affected areas.
- c. In order to bring soundings on c day (purple) between positions 35 and 62 inclusive into agreement with surrounding hydrography, 2.5 ft. were added to the recorded depths. These discrepancies in depths were attributed to the malfunctioning of the depth recorder.

# 5. Junctions

An adequate junction was effected with H-8464 (1959) on the west in the vicinity of long. 81°39.0'. The present survey extends to the project limits on the east, where charted depths are in adequate agreement with the present depths. No contemporary survey joins the present survey at the railroad bridge across Trout River in the vicinity of long. 81°38.25'. Charted depths here at the limits of the present survey are in adequate agreement with present depths, except south of the bridge opening where the present depths are about 2 ft. shoaler.

# 6. Comparison with Prior Surveys

A. H-482 (1855), 1-10,000 H-484 (1855), 1-10,000 H-1542b (1883) 1-10,000

These early reconnaissance surveys cover the area of the present survey. A comparison between the prior and present surveys reveals changes in bottom configuration and shoreline. These changes are attributed to natural and artificial causes such as the action of the current on the bottom, the depositing of sediment from the tributaries which empty into St. Johns River, the dredging of channels and canals, the construction of piers and slips and the reclaiming of land. The shoreline changes are principally due to the reclaiming of land. Several man-made islands falling within the area of the present survey were non-existent at the time of the prior surveys. Quarantine Island in the vicinity of lat. 30°24.0', long. 81°35.0', and the island in the vicinity of lat. 30°19.6', long. 81°37.0', are examples of these manmade islands. A bridge connecting Arlington with Jacksonville has been built. A main ship channel which extends from the northeastern limits of the present survey to Commodore Point, and an auxillary channel which lies east of the main ship channel approximately between Arlington and Floral Bluff has been dredged with the resultant changes in depths. A channel which formerly extended about 1 mile east of the island shown on the present survey in the vicinity of lat. 30°23.7', long. 81°37.1', has shoaled as much as 6 ft.

Information transferred from the preliminary photogrammetric survey T-10829 (1958-59) to the boat sheet of the present survey indicates the wrecks located at lat. 30°19.10', long. 81°36.35', and lat. 30°19.07', long. 81°36.21', are each covered by 1 ft. of water. The registered copy of T-10829 shows these wrecks each to uncover 1 ft. at M.L.W. The information concerning the wrecks on the registered copy of T-10829 is believed to be erroneous and should actually read "covers 1 ft. at M.L.W."

The present survey is adequate to supersede the prior surveys within the common area.

# B. H-6538 (1939), 1-5,000

This survey covers Arlington River east of approximate long. 81°37.0', and includes its tributaries. A comparison between the prior and present surveys shows depths on the present survey generally to be 1 ft. shoaler than those on the prior survey. The comparison further reveals that a number of new piers have been built and a number of canals have been dredged since the prior survey. The wreck charted in lat. 30°19.09', long. 81°36.50', from H-6538 (1939), where it is shown as baring 1 ft. at M.L.W. is not shown on the present survey or photogrammetric survey T-10829 (1958-59) which covers this area.

The existence of the wreck is not considered disproved. The feature, therefore, is transferred from H-6538 to the present survey as a sunken wreck and should be so charted.

With the addition of the above mentioned wreck, the present survey is adequate to supersede the prior survey within the common area.

# 7. Comparison with Chart 577 (latest print date 1-28-63)

# A. Hydrography

The charted hydrography originates with prior survey H-6538 (1939), with the U. S. Corps of Engineers survey of 1932 (Bps 25102 and 25104) and 1934 (Bps 28568-70), supplemented by critical depths from the boat sheet of the present survey (Bp 58048). A comparison between the chart and present survey shows the present survey depths generally to be as much as 4 ft. shoaler, except in several areas where greater shoaling has occurred, as for example in lat. 30°18.91', long. 81°37.53', where a charted depth of 57 ft. falls in present depths of 43 ft.

Attention is specifically directed to the following differences between the charted and present survey data:

- 1. The pier and dolphins charted in the vicinity of lat. 30°24.5', long. 81°36.3', from chart letter 1252, 1960, subsequent to the present survey should be retained on the chart.
- 2. The pier and dolphins charted in the vicinity of lat. 30°24.6', long. 81°36.15', from chart letter 10, 1962, subsequent to the present survey should be retained on the chart.
- 3. The piles charted in the vicinity of lat. 30° 24.74′, long. 81°36.14′, from the Corps of Engineers survey of 1934 (Bp 28563-71) are not shown on the present survey. These features are not considered disproved by the present survey and, therefore, should be retained on the chart.
- 4. The 2 dolphins or piles charted at the end of the catwalks in the vicinity of lat. 30°19.05', long. 81°38.90', originate with the U. S. Geological Survey "Jacksonville" Quandrangle, 1950 edition (Bp 54196).

These features are not shown on the present survey or on photogrammetric survey T-10828 (1958-59) covering the area in which these features fall. The dolphins or piles are superseded by the concrete wall shown on H-8464 (1959) and, therefore, should be deleted from the chart.

- 5. The 9-ft. sounding charted in the U. S. Engineers' Dredge Depot in lat. 30°21.38', long. 81°37.27', from the U. S. Engineers' survey of 1934 (Bp 28563) should be retained on the chart to supplement present survey depths. This area was not developed on the present survey.
- 6. The pier in ruins charted in lat. 30°18.8', long. 81°38.48', originates with U. S. Geological Survey "Jacksonville" Quadrangle, 1950 edition (Bp 54196). This feature was charted prior to 1932 as a pier from a source not readily ascertainable. The feature which is not shown on the present survey is not considered disproved and should be retained as a pier in ruins on the chart.
- 7. The pier in ruins charted in the vicinity of lat. 30°23.40′, long 81°36.45′, from photogrammetric survey T-5670 (1933-39) was not found during the present survey. The feature was not considered disproved and, therefore, was transferred to the present survey. The pier ruins should be retained on the chart.
- 8. The submerged training wall charted in the vicinity of lat. 30°23.25', long. 81°37.4', from the U. S. Corps of Engineers' survey of 1950 (Bp. 46834), extends about 300 meters south southwestward beyond the limits shown on the present survey. The portion of the charted feature not shown on the present survey is not considered disproved. The charted length of the feature should be retained in the chart.
- 9. The 7-ft. sounding charted in lat. 30°20.95', long. 81°37.11' from the U. S. Corps of Engineers survey of 1934 (Bp. 58570) falls in present depths of 9-11 ft. The area in which the 7-ft. sounding

falls on the present survey is not considered to be adequately developed to disprove the existence of this sounding. The 7-ft. sounding should be retained on the chart.

The present survey is adequate to supersede the charted hydrography within the common area except for features noted above for retention on the chart.

# B. Dredged Channels

The charted controlling depths in the main ship channel originate with after dredging surveys of the U. S. Corps of Engineers of 1962 (Bps 63212019) accomplished subsequent to the present survey. The charted controlling depth of 23 ft. in the auxilliary channel between Empire Point and Floral Bluff originates with the boat sheet of the present survey (chart letter No. 1016, 1958). The charted controlling depth here is in agreement with the present survey after verification and review.

# C. Aids to Navigation

The present survey positions of aids to navigation are in substantial agreement with the charted positions and adequately mark the features intended.

# 8. Compliance with Project Instructions

The survey adequately complies with the Project Instructions.

# 9. Additional Field Work

This is a good basic survey and no additional field work is recommended.

-/ **K**a

Action

Associate Director,

Examined and Approved;

Hydrography and Oceanography

Marine Chart Division

FORM 197 (3-16-55) GEOGRAPHIC NAMES
Survey No. H-846\$

Name on Survey	d A	CAO B	C	S W	or right.	or por	, o. G	ABRID' H	S. K	3617
							<u> </u>	<del></del>	<u> </u>	f
Arlington River Commodore Point	<u> </u>						<del>   </del>	<u></u>		
Cook Taland	Х		<u> </u>			<del> </del>	ļ		x	-
	X		<u> </u>	ļ	<u> </u>				<u> </u>	-
Drummond Point	Х	<del> </del>	<del>'</del>		<u> </u>		<del> </del>	<u> </u>	<del> </del> -	
Empire Point	х		<del> </del> -		<del> </del>				<u> </u>	-
Jacksonville	X	1	<del> </del>					-	X	
Little Pottsburg Cr	<u> </u>		<u> </u>	-				<u></u>	<u> </u>	-
Long Branch ·	<u> </u>	-	-						х	-
Miller Creek ·	x		<u> </u>	<del> </del>		ļ	<u> </u>	<u> </u>	<u> </u>	-
Newcastle Island ·	х.	1	<u> </u>		ļ	ļ				1
Fottsburg Creek	<u>x</u>	<u> </u>	<u> </u>	<b></b>	ļ	<b> </b>				1
Quarantine Island	х	<u> </u>	<u> </u>	ļ		<u> </u>		ļ	ļ	1
Reddie Foint .	х		ļ	ļ		<u> </u>	ļ		х	1
Trout River	×					5			x	1.
		<u> </u>		M	292	Dr.	ale		·	1
Ocummond Cr.		-	GE	GRAPI 28	EPTE		SECTIO 1960	]N		1
Chaseville										1
Floral Bluff	•									1.
Arlington										1
strawherry Co		<b>1</b>								2
Silversmith Co		<u> </u>				· · · · · · · · · · · · · · · · · · ·	<u> </u>			2
Arlington Strawberry Cr Silversmith Cr South Jacksonville				1			<u> </u>			2
William I							1			2
PALILIAN +							<del>                                     </del>	<del> </del> -	<u> </u>	
				<del> </del>			<u> </u>	-		2
			-	-						2
			-				-	-		2
		ļ	<b></b>	<b> </b>	ļ				<u> </u>	2

# Hydrographic Surveys (Chart Division)

# HYDROGRAPHIC SURVEY NO. . . 8463.

Records accompanying survey:	Smooth sheets;
boat sheets; sounding vols!!.;	wire drag vols;
Descriptive Reports; graphic re	corder envelopes 13;
special reports, etc	•••••
	**********
The following statistics will be submitted rapher's report on the sheet:	with the cartog-
Number of positions on sheet	2055
Number of positions checked	1.3.6
Number of positions revised	
Number of soundings revised (refers to depth only)	. 213
Number of soundings erroneously spaced	See vanfier notes page 5
Number of signals erroneously plotted or transferred	See verifieranotes page 4
Topographic details	Time See serifiers Poles pole 5
Junctions	Time / hr.
Verification of soundings from graphic record	Time 10 hrs
Special adjustments	Time 16. hrs c-lay position 352 thru 620-Lay.
Verification by D. Kennon. Total ti	ime 49.2 hrs Date Jan. 14.1963
Reviewed by Subjestuit Ti	ime Date July 9,1903

# NAUTICAL CHARTS BRANCH

# SURVEY NO. H-8463

# Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
10/25/60	517	Johnaller	Before Asser Verification and Review Portially
1	····	<i>Jy</i>	· · · · · · · · · · · · · · · · · · ·
12/5/60	1243	2. E. Morros	Examined for Cubical loss. No Revisions Before Verification and Review
2/1/62	685	O. Svendsen	Hpp: thru Ch 577 1/22/62 Before -After Verification and Review
1-29-68	636·SC	d. Vanzant	FULLY Before After Verification and Review
10/28/68	685	gurailay	Conseled - area consent los been cleared of all Before Atter Verification and Review Agent detail with the second of 656 st.
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
		-	
	<u> </u>		
	<u> </u>	<u>.</u>	M.2169.1

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

